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# HAPPY NEW YEAR!



## QUALIFIER TOURNAMENT RESULTS

*FIRST* Tech Challenge competitions are some of our favorite days of the year. It's a great chance to talk with our robotics friends and see what everyone's been up to.

We've competed in two tournaments so far this season. Here are the awards we won:

### Eagan – Nov 11, 2017

- 1st place Inspire (overall)

### Eden Prairie – Dec 2, 2017

- Winning Alliance Captain (elimination matches)
- 2nd Inspire (overall)
- Think (engineering notebook)
- Stratasys (3D printing)

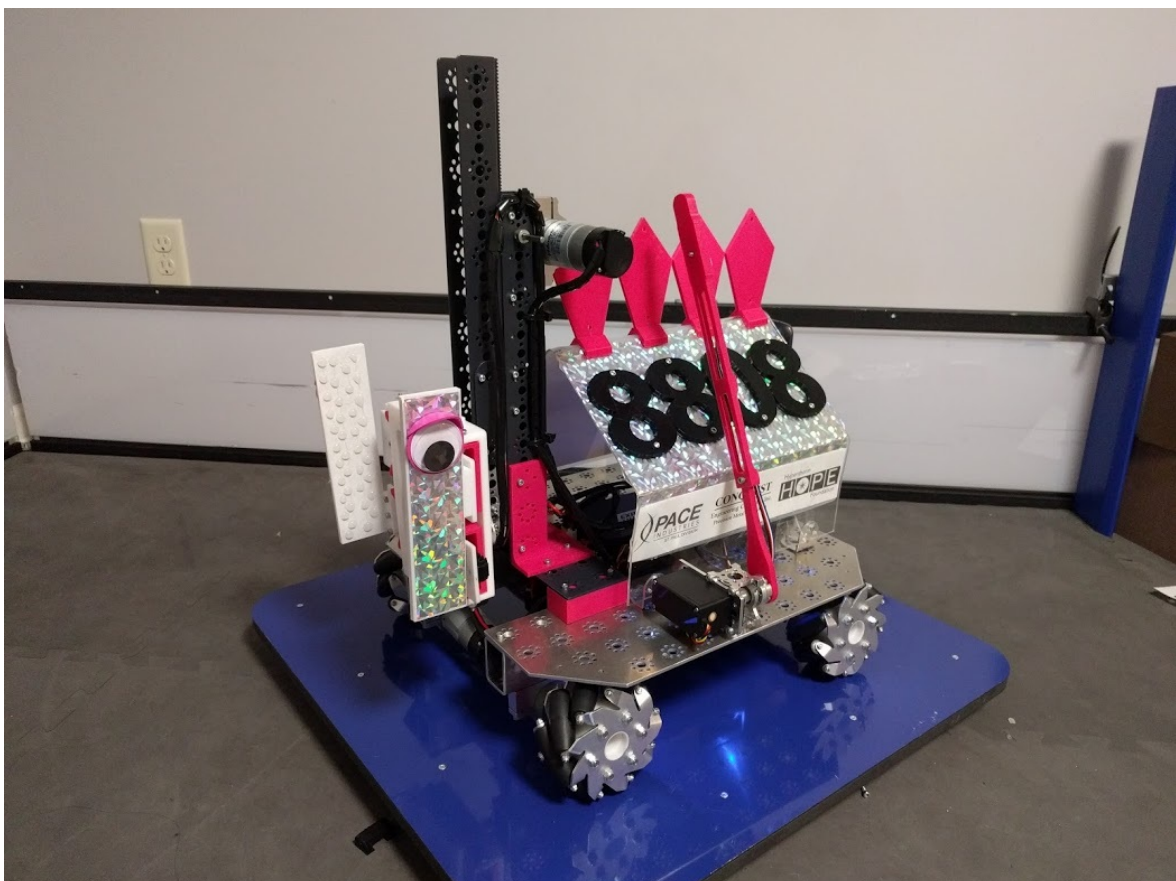
We have also advanced to the [MN State Championship](#), which will take place on **February 9-10** at Washington Technology Magnet School. Please email us for details if you're interested in visiting the event!



ABOVE: Us with our winning alliance partners: [Solid](#) and Circuit Snakes!

## ROBOT UPDATE

Meet Stacy the Stacysaurus!



This year, our robot has a mecanum wheel drivetrain, which means it can drive in any direction for simple maneuvering. It also has a 3D-printed grabbing mechanism and rack-and-pinion lift mechanism for moving foam blocks into the scoring areas. For the autonomous period (first 30 seconds of every match), the robot uses a color sensor on a long 3D-printed stick to determine which colored wiffle ball to knock off a platform.

Watch the video below to see Stacysaurus in action at our most recent tournament. (Ours is one in the far-right corner with pink spikes).



## HAPPY NEW YEAR!

Thank you so much for your enthusiastic support throughout the year. 2017 has been the best year of the Posse so far and we can't wait to see what the future has in store.

See you in 2018!

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## WHO IS THE PONYTAIL POSSE?

The Posse is an all-ladies FTC team from St. Paul, Minnesota. We are in our senior year of high school and the 2017-18 season is our ninth year participating in robotics. Find out more at [www.theponytailposse.com](http://www.theponytailposse.com).



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